

**TECHNICAL DATA SHEET****(BIAXIALLY ORIENTED POLYESTER FILM)****Product Description:**

FLEXALOXPROTECT™ F-PGX is a transparent High Barrier polyester film. It is one side High Barrier AIOx protect other side chemical coated.

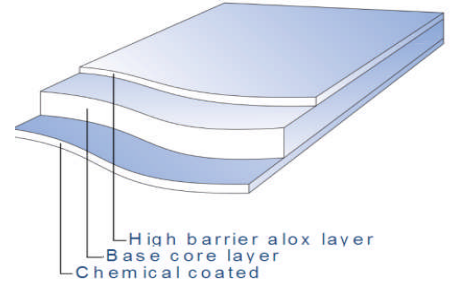
**Applications:**

- ▶ The Film is suitable for High Barrier application like Dried Meat Snacks , Confectionery, Microwavable foods etc.
- ▶ Eye Catching Packaging
- ▶ Suitable for Hot fill /Sterilization/ Pasteurization and Retort application(121°C/30 min.)
- ▶ Industrial Packaging Application

Key note-Selection of specific ink & adhesive designed for retort application

**Key Features:**

- ▶ Excellent Moisture & Oxygen Barrier Properties
- ▶ Excellent Clarity and product visibility
- ▶ Excellent Alternative of PVDC coated and EVOH Laminates.
- ▶ Environmental Friendly

**Film Structure**

PROPERTIES	TEST METHOD (ASTM)	UNIT	TYPICAL VALUE	
			12.5	23.5
<b>THICKNESS</b>	Internal	Micron (Gauge)	12.5	23.5
<b>FILM DENSITY</b>	D-1505	gm/cc	1.4	1.4
<b>GRAMMAGE</b>	Internal	gm/m <sup>2</sup>	17.5	32.9
<b>YIELD</b>	Internal	m <sup>2</sup> /kg	57.14	30.4
		in <sup>2</sup> /lb	40257	21410
<b>TREATMENT LEVEL #</b> (Min)	D-2578	dyne/cm	50	50
<b>COEFF OF KINETIC FRICTION</b> (Max)	D-1894	-	0.50	0.50
<b>HAZE (Max)</b>	D-1003	%	3.0	3.5
<b>TENSILE STRENGTH AT BREAK</b>	D-882	Kg/cm <sup>2</sup>	1900	1900
			2000	2000
<b>TENSILE STRENGTH AT BREAK</b>	D-882	(Psi)	27000	27000
			28500	28500
<b>ELONGATION AT BREAK</b>	D-882	%	105	115
			85	90
<b>LINEAR SHRINKAGE (Max.)</b>	D-1204	%	3.0	3.0
(30 Minute at 150°C)			1.0	1.0
<b>W.V.T.R.(38°C &amp; 90% RH)</b>	F-1249	gm/m <sup>2</sup> /day	1.0	1.0
		(gm/100in <sup>2</sup> /day)	0.065	0.065
<b>O.T.R. (23°C &amp; 0% RH)</b>	D-3985	cc/m <sup>2</sup> /day	1.0	1.0
		(cc/100in <sup>2</sup> /day)	0.065	0.065
<b>AVAILABLE WIDTH</b>	(Max.)	mm	1250	1250

Ref no. QAD UFLI S/16 - F-AL 02/1

\*MD = MACHINE DIRECTION \*TD = TRANSVERSE DIRECTION

# The inherent surface tension of the untreated side of any Pet film is minimum 42 dyne/cm

**STORAGE & HANDLING:**

FLEX ALOXPROTECT™ need to be stocked in a closed warehouse and should not be exposed to direct sunlight or light sources and from humidity. It is recommended to store below 35°C in dry place. FLEX ALOXPROTECT™ is suitable for use within 6 month from date of manufacturing, only if material is stored in recommended condition.

**FOOD CONTACT:**

FLEX ALOXPROTECT™ complies with EC and FDA regulations. Specific document and MSDS are available on request.

**DISCLAIMER:**

It is the responsibility of our customer to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. The Values given in the technical data sheet represent typical values based on the best of our knowledge as on date when the data was compiled. It is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability / compatibility in all respects. Flex Gives no warranty or accept liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.

\*\*TDS issued on 23-03-2016. All previous version of this grade are invalid.

Website: [www.flexfilm.com](http://www.flexfilm.com)